control the quality of service of end-to-end communication between the at least two user terminals on the basis of the received information.

24. The apparatus of claim **15**, wherein the processor is applicable to a base station and is further configured to:

redistribute radio resources of the mobile communication on the basis of the received information.

25. The apparatus of claim **15**, wherein the processor is applicable to a base station and is further configured to:

decide on the basis of the received information whether to apply conventional radio communication via the base station or the direct communication between the at least two terminals or not.

26. The apparatus of claim **15**, wherein the processor is applicable to a base station and further configured to:

control the quality of service of the communication between the at least two terminals by more than one base station; and

communicate with at least one other base station in order to coordinate the quality of service of the end-to-end communication between the at least two terminals.

27. The apparatus of claim **15**, wherein the processor is applicable to a base station and further configured to:

manage a virtual radio bearer database corresponding to the radio bearers applied in the direct communication between the at least two user terminals; and

update the virtual radio bearer database on the basis of the received information.

28. The apparatus of claim **15**, wherein the processor is applicable to a base station and further configured to:

control re-transmissions of the direct communication link between the at least two user terminals such that the re-transmissions are performed through the conventional radio communication link via the base station.

29. (canceled)

30. A computer program product embodied on a distribution medium readable by a computer and comprising program instructions which, when loaded into an apparatus, execute a method, comprising:

applying uplink signaling in mobile communication, wherein the signaling comprises information determined by a device as related to the traffic status of a direct communication link between at least two user terminals being the terminating points of the communication; and

transmitting the information in the uplink to a base station from at least one user terminal involved in the direct communication link thereby enabling the base station to control the quality of service of an end-to-end communication between the at least two user terminals based on the received information.

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